

# **SINOPSIS PILIHAN PERPUSTAKAAN INSTITUT LATIHAN STATISTIK MALAYSIA BILANGAN 5/2021**

**KOLEKSI  
PERPUSTAKAAN ILSM**



# DATA ANALYSIS WITH OPEN SOURCE TOOLS

Collecting data is relatively easy, but turning raw information into something useful requires that you know how to extract precisely what you need. With this insightful book, intermediate to experienced programmers interested in data analysis will learn techniques for working with data in a business environment. You'll learn how to look at data to discover what it contains, how to capture those ideas in conceptual models, and then feed your understanding back into the organization through business plans, metrics dashboards, and other applications.

*A Hands-On Guide for Programmers and Data Scientists*



## Data Analysis

*with Open Source Tools*

O'REILLY\*

*Philipp K. Janert*

# PROBABILITY AND RANDOM PROCESSES

This book gives an introduction to probability and its many practical applications by providing a thorough, entertaining account of basic probability and important random processes, covering a range of important topics. Emphasis is on modelling rather than abstraction and there are new sections on sampling and Markov chain Monte Carlo, renewal-reward, queueing networks, stochastic calculus, and option pricing in the Black-Scholes model for financial markets. In addition, there are almost 400 exercises and problems relevant to the material. Solutions can be found in *One Thousand Exercises in Probability*.

OXFORD

## Probability and Random Processes

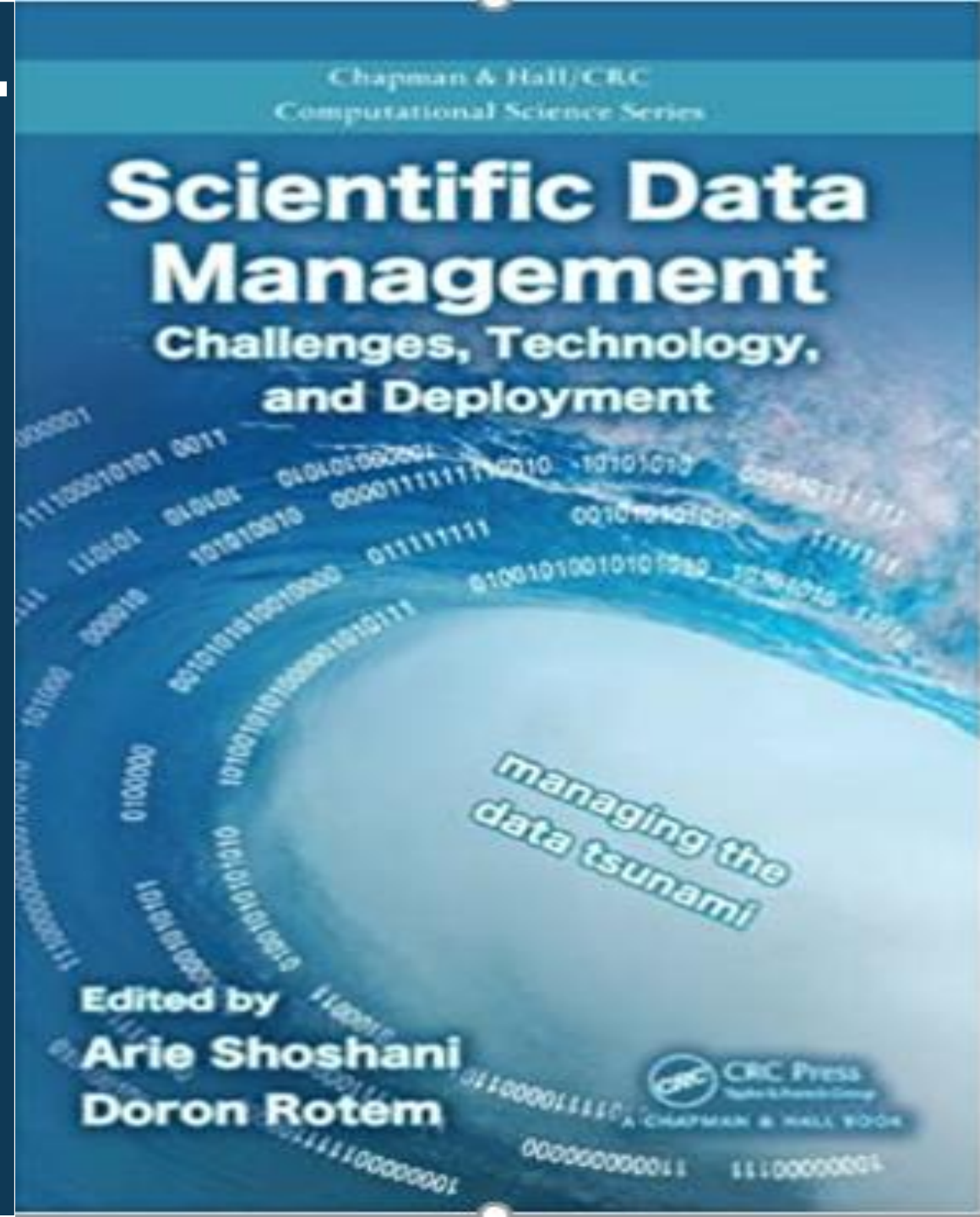
GEOFFREY GRIMMETT and DAVID STIRZAKER

*Third Edition*

# SCIENTIFIC DATA MANAGEMENT

Dealing with the volume, complexity, and diversity of data currently being generated by scientific experiments and simulations often causes scientists to waste productive time. *Scientific Data Management: Challenges, Technology, and Deployment* describes cutting-edge technologies and solutions for managing and analyzing vast amounts of data, helping scientists focus on their scientific goals.

The book begins with coverage of efficient storage systems, discussing how to write and read large volumes of data without slowing the simulation, analysis, or visualization processes. It then focuses on the efficient data movement and management of storage spaces and explores emerging database systems for scientific data. The book also addresses how to best organize data for analysis purposes, how to effectively conduct searches over large datasets, how to successfully automate multistep scientific process workflows, and how to automatically collect metadata and lineage information.



# UNDERSTANDING STATISTICS WITH SPSS : A FRIENDLY APPROACH

The topics selected in "Understanding Statistics with SPSS: A Friendly Approach" should be of interest to students and most researchers especially those from the social sciences. Students at the tertiary level and researchers with little knowledge in statistics should find this book very useful.

The extent of statistical tools covered are appropriate for quantitative research. The tools discussed are mainly for the purpose of inference even though some descriptive tools are presented. The topics stress more on hypotheses testing than confidence intervals.

## UNDERSTANDING STATISTICS with SPSS A Friendly Approach



HALILAH HADON

# INPUT-OUTPUT ANALYSIS : FOUNDATION AND EXTENSIONS

The book has been fully revised and updated to reflect important developments in the field since its original publication. New topics covered include SAMs (and extended input-output models) and their connection to input-output data, structural decomposition analysis (SDA), multiplier decompositions, identifying important coefficients, and international input-output models. A major new feature of this edition is that it is also supported by an accompanying website with solutions to all problems, wide-ranging real-world data sets, and appendices with further information for more advanced readers. Input-Output Analysis is an ideal introduction to the subject for advanced undergraduate and graduate students in a wide variety of fields, including economics, regional science, regional economics, city, regional and urban planning, environmental planning, public policy analysis and public management.

SECOND EDITION

## Input-Output Analysis Foundations and Extensions

Ronald E. Miller and Peter D. Blair



# DATA SCIENCE AND BIG DATA ANALYTICS

*Data Science and Big Data Analytics* is about harnessing the power of data for new insights. The book covers the breadth of activities and methods and tools that Data Scientists use. The content focuses on concepts, principles and practical applications that are applicable to any industry and technology environment, and the learning is supported and explained with examples that you can replicate using open-source software. This book will help you:

- Become a contributor on a data science team
- Deploy a structured lifecycle approach to data analytics problems
- Apply appropriate analytic techniques and tools to analyzing big data
- Learn how to tell a compelling story with data to drive business action
- Prepare for EMC Proven Professional Data Science Certification

EMC<sup>2</sup>

## Data Science and Big Data Analytics

Discovering, Analyzing, Visualizing and Presenting Data



EMC Education Services

# NOW YOU SEE IT: SIMPLE VISUALIZATION TECHNIQUES FOR QUANTITATIVE ANALYSIS

Now You See It : Simple Visualization Techniques for Quantitative Analysis teaches simple, fundamental, and practical techniques that anyone can use to make sense of numbers. These techniques rely on something that almost everyone has: vision. Using graphs to discover trends, patterns, and exceptions that reside in quantitative information and interactions with those graphs to uncover what the discoveries mean.

Until Now You See It, no book has taught the basic skills of data analysis to such a broad audience and for so many users, even though the need is huge, critical and rapidly growing.





# REGRESSION ANALYSIS : THEORY, METHODS, AND APPLICATION

An up-to-date, rigorous, and lucid treatment of the theory, methods, and applications of regression analysis, and thus ideally suited for those interested in the theory as well as those whose interests lie primarily with applications. It is further enhanced through real-life examples drawn from many disciplines, showing the difficulties typically encountered in the practice of regression analysis. Consequently, this book provides a sound foundation in the theory of this important subject.

 SPRINGER TEXTS IN STATISTICS

Ashish Sen  
Muni Srivastava

## Regression Analysis

Theory, Methods, and Applications

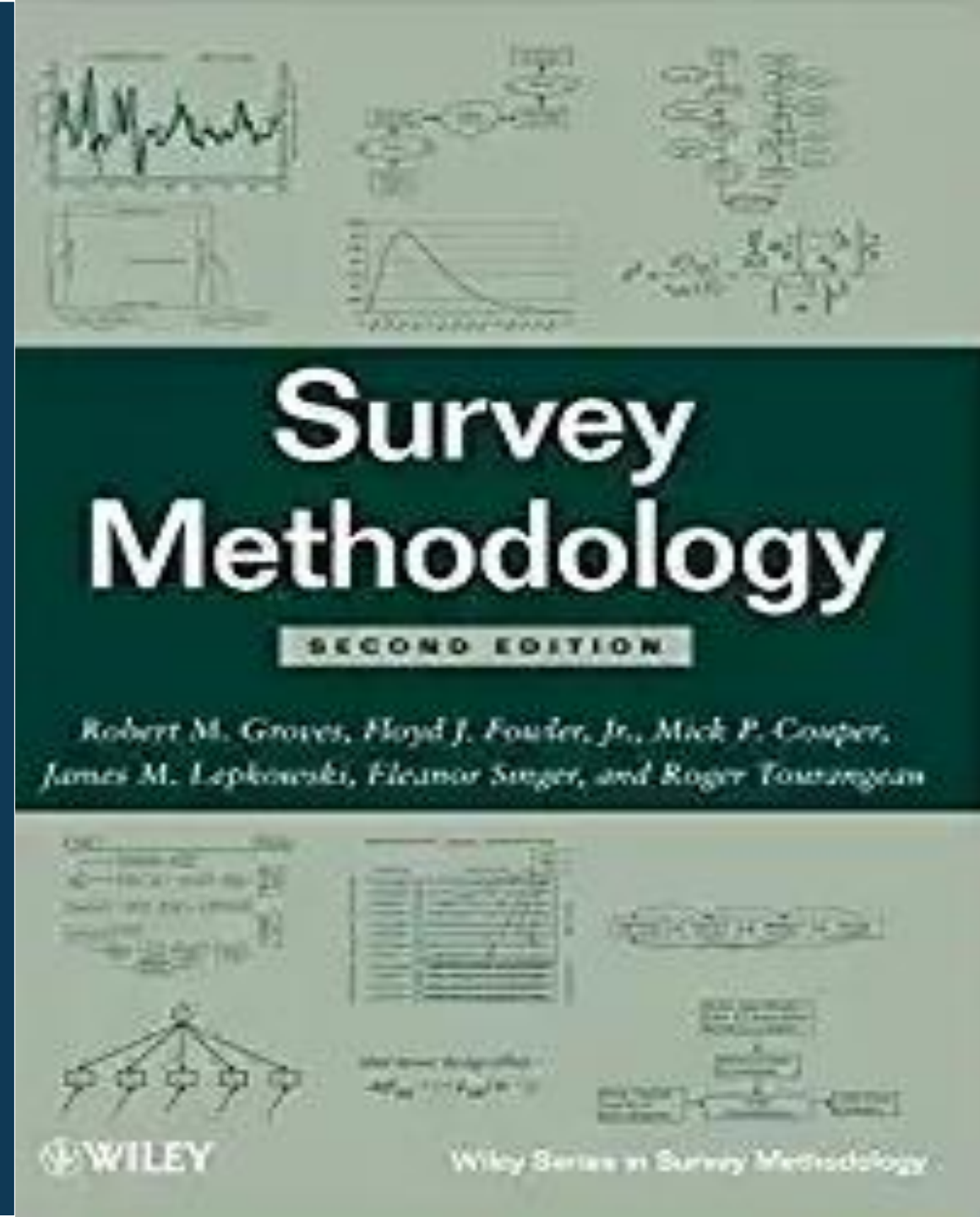


 Springer

# SURVEY METHODOLOGY

This new edition of *Survey Methodology* continues to provide a state-of-the-science presentation of essential survey methodology topics and techniques. The volume's six world-renowned authors have updated this Second Edition to present newly emerging approaches to survey research and provide more comprehensive coverage of the major considerations in designing and conducting a sample survey.

Key topics in survey methodology are clearly explained in the book's chapters, with coverage including sampling frame evaluation, sample design, development of questionnaires, evaluation of questions, alternative modes of data collection, interviewing, nonresponse, post-collection processing of survey data, and practices for maintaining scientific integrity.



# CREATIVITY AT WORK

Although many leaders acknowledge and invest in creativity, we seldom see it hold a credible place in the business development process. Creativity at work takes a practical approach to creativity, showing how to select practices to produce results and add value. The authors explain how to:

- Understand the creative preferences of organization, departments, work groups, and individuals
- Identify and compare the different creativity profiles that describe specific purposes, practices, and people
- Produce the desired results by developing the right practices
- Blend creativity practices to meet the complex needs that characterize most work situations
- Develop required creative abilities in a team and in oneself.



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of Michigan  
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INNOVATIVE SOLUTIONS TO THE  
PRESSING PROBLEMS OF BUSINESS

Jeff DeGraff  
Katherine A. Lawrence

## Creativity at Work

Developing the  
Right Practices to  
Make Innovation  
Happen



**TERIMA KASIH**